

Notice of Allowability

Application No.

10/006,315

Examiner

Kamran Afshar, 571-272-7796

Applicant(s)

DALAL ET AL.

Art Unit

2681

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 1/12/2006.
2. ☒ The allowed claim(s) is/are 1-20.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☒ Interview Summary (PTO-413), Paper No./Mail Date _____
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____

DETAILED ACTION

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mr. Matthew S. Anderson Reg. No. 39,093 on 1/12/2006.

The application has been amended as follows:

In The Claim(s):

1. (Amended) For use in a base station, an apparatus for sending and receiving an acknowledgment message, comprising:

a channel controller ~~capable of assigning~~ adapted to assign a common control channel to a mobile station, ~~said common control channel having a forward control channel and a reverse control channel,~~ wherein said channel controller is ~~capable of dedicating~~ adapted to dedicate said forward control channel and said reverse control channel to said mobile station for a predetermined period of time; and

a transceiver coupled to said channel controller ~~capable of~~ adapted for transmitting and receiving said acknowledgment message on said common control channel.

2. (Amended) The apparatus as set forth in Claim 1 wherein said base station is ~~capable of broadcasting~~ adapted to broadcast a paging message to said mobile station.

Art Unit: 2681

5. (Amended) The apparatus as set forth in Claim 4 wherein said base station is ~~capable of~~ adapted for assigning said common control channel to said mobile station for receiving at least one message from said mobile station.

8. (Amended) A wireless communication network comprising:

a plurality of base stations ~~capable of communicating~~ adapted to communicate with a plurality of mobile stations disposed in a coverage area of said plurality of base stations; and

an apparatus associated with at least one of said plurality of base stations comprises for sending and receiving an acknowledgment message comprising:

a channel controller ~~capable of assigning~~ adapted to assign common control channel to a mobile station, said common control channel having a forward control channel and a reverse control channel, wherein said channel controller is ~~capable of dedicating~~ adapted to dedicate said forward control channel and said reverse common control channel to said mobile station for a predetermined period of time; and

a transceiver coupled to said channel controller ~~capable of~~ adapted for transmitting and receiving said acknowledgment message on said common control channel.

9. (Amended) The wireless communication network as set forth in Claim 8 wherein said base station is ~~capable of~~ adapted for broadcasting a paging message to said mobile station.

12. (Amended) The wireless communication network as set forth in Claim 11 wherein said base station is ~~capable of~~ adapted for assigning said common control channel to said mobile station for receiving at least one message from said mobile station.

Art Unit: 2681

15. (Presented) For use in a base station, a method for sending and receiving an acknowledgment message comprising the steps of:

assigning a common control channel having a forward control channel and a reverse control channel to a mobile station, wherein said forward control channel and said reverse control channel are-is dedicated to said mobile station for a predetermined period of time;

transmitting a paging message to said mobile station, said paging message operable to cause said mobile station to transmit and receive on said common control channel during said predetermined period of time; and

receiving said acknowledgment message from said mobile station on said common control channel.

Allowable Subject Matter

2. Claims 1-20 are allowed.

The following is an examiner's statement of reasons for allowance: 1-20.

With respect to claim 1, the prior art of record fails to disclose singly or in combination or render obvious that comprising: a channel controller adapted to assign a common control channel to a mobile station, the common control channel having a forward control channel and a reverse control channel, wherein said channel controller is adapted to dedicate the forward control channel and the reverse control channel to the mobile station for a predetermined period of time; and a transceiver coupled to the channel controller adapted for transmitting and receiving the acknowledgment message on the common control channel.

With respect to claim 8, the prior art of record fails to disclose singly or in combination or render obvious that an apparatus associated with at least one of the plurality of base stations comprises for sending and receiving an acknowledgment message comprising: a channel controller adapted to assign common control channel to a mobile station, the common control channel having a forward control channel and a reverse control channel, wherein the channel controller is adapted to dedicate the forward

Art Unit: 2681

control channel and the reverse control channel to the mobile station for a predetermined period of time; and a transceiver coupled to the channel controller adapted for transmitting and receiving the acknowledgment message on the common control channel.

With respect to claim 15, the prior art of record fails to disclose singly or in combination or render obvious that the method comprising the steps of: assigning a common control channel having a forward control channel and a reverse control channel to a mobile station, wherein said forward control channel and said reverse control channel are-is dedicated to said mobile station for a predetermined period of time; transmitting a paging message to said mobile station, said paging message operable to cause said mobile station to transmit and receive on said common control channel during said predetermined period of time; and receiving said acknowledgment message from said mobile station on said common control channel.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

3. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.
 - a) Moshiri-Tafreshi (U.S. Pub. No.: 2002/0160812 A1).
 - b) Ogino (U.S. 6731905 B2).
 - d) Tiedemann (U.S. 6,317,435 B1).
 - e) Kingdon (U.S. 6,185,428 B1).

Any inquiry concerning this communication or earlier communication from the examiner should be directed to Kamran Afshar whose telephone number is (571) 272-7796. The examiner can be reached on Monday-Friday.

Art Unit: 2681

If attempts to reach the examiner by the telephone are unsuccessful, the examiner's supervisor, **Feild, Joseph** can be reached @ (571) 272-4090. The fax number for the organization where this application or proceeding is assigned is **571-273-8300** for all communications.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).


Kamran Afshar


JOSEPH FEILD
SUPERVISORY PATENT EXAMINER